

## Special Issue

# 10th Anniversary of *JCDD*— Basic and Translational Cardiovascular Research

### Message from the Guest Editors

In the past decade, significant progress has been made in cardiovascular biology, leading to potential clinical treatments. iPSCs are now used to model heart diseases, with patient-derived cells becoming cardiomyocytes to uncover pathogenic mechanisms. While 2D cultures are limited, 3D cardiac organoids have emerged, offering a more accurate representation of heart tissue. These organoids can self-organize into structures resembling heart chambers, providing insights into development and congenital heart diseases. Single-cell sequencing has revealed various heart cell lineages, identifying those most affected by disease, aiding in drug development. High-throughput sequencing has also advanced our understanding of the genetic causes of heart diseases. Further exploration of these technologies in cardiovascular development is needed. This Special Issue aims to review the latest in basic and translational cardiovascular research, inviting submissions including original research, reviews, and commentaries on cardiac biology in health and disease.

### Guest Editors

Prof. Dr. Thomas Brand

National Heart & Lung Institute, Imperial College London, South Kensington Campus, London SW7 2AZ, UK

Dr. Jörg Männer

Group Cardio-Embryology, Institute of Anatomy and Embryology, UMG, Georg-August-University Goettingen, D-37075 Goettingen, Germany

### Deadline for manuscript submissions

closed (30 June 2025)



## Journal of Cardiovascular Development and Disease

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.3  
CiteScore 3.7  
Indexed in PubMed



[mdpi.com/si/216996](https://mdpi.com/si/216996)

*Journal of Cardiovascular  
Development and Disease*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jcdd@mdpi.com](mailto:jcdd@mdpi.com)

[mdpi.com/journal/  
jcdd](https://mdpi.com/journal/jcdd)





# Journal of Cardiovascular Development and Disease

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.3  
CiteScore 3.7  
Indexed in PubMed



[mdpi.com/journal/  
jcdd](https://mdpi.com/journal/jcdd)



## About the Journal

### Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease* (JCDD, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to *JCDD* undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. *JCDD* guarantees fast dissemination of results to a large scientific audience.

---

### Editor-in-Chief

Prof. Dr. Thomas Brand  
National Heart & Lung Institute, Imperial College London, South  
Kensington Campus, London SW7 2AZ, UK

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Cardiac and Cardiovascular Systems) /  
CiteScore - Q2 (General Pharmacology, Toxicology and  
Pharmaceutics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).